

Amendment to the Specification:

The paragraph beginning on page 3, line 19 has been amended to read:

“In accordance with the present invention, a non-scanning interferometer for spectral analysis, comprising a fixed real radiant source and a fixed virtual radiant source separated by a known distance, said known distance fixed during a measurement, said fixed real radiant source and said virtual radiant source having a phase relationship that produces an interference pattern, a non-scanning detector that spatially measures the interference pattern without manipulating said interference pattern with additional optical elements; and a non-scanning converter that converts the interference pattern into a spectral content.”

The addition of the phrase “without manipulating said interference pattern with additional optical elements” does not constitute new matter and finds express support in the original specification on line 18 of page 8, which states “the interference pattern 101 is detected by the fixed detector.” Furthermore, it is inherently clear from Figures 1-3 that no optics have been used to manipulate the interference pattern immediately prior to detection. Therefore, the amendment represents a written description of an inherent feature that is illustrated in the drawings.